

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1-26 (canceled)

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27. (currently amended) An information recording medium, the recording medium comprising:

an audio zone including a substantive data, a first control data and a second control data for reproducing the substantive data, an audio title set and an audio manager for managing the audio title set, wherein the audio title set includes the substantive data and the first control data, and wherein the second control data is recorded at a head of the audio zone;

the substantive data including a plurality of sets of information each to be reproduced independently, the substantive data including audio data and being logically divided into one or a plurality of tracks; wherein the first control data being required when reproducing the substantive data; and the second control data being required when reproducing the substantive data by a simple audio player,

wherein the audio title set is not provided at the head of the audio zone.

28. (previously presented) The recording medium as claimed in claim 27, wherein

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the substantive data including one or a plurality of titles, each corresponding to a logical set including the one of the plurality of tracks; and

the first control data being dispersed on the basis of the titles to be recorded on the recording medium.

29. (previously presented) The recording medium as claimed in claim 28, wherein each of the one or the plurality of tracks comprises either a first track or a second track; the first track being reproduced by using both of the first control data and the second control data; and the second track being reproduced by using the first control data.

30. (previously presented) The recording medium as claimed in claim 28, wherein the first control data being required when using a reproducing apparatus capable of reproducing each of the one or the plurality of tracks; and the second control data being required when using a simple audio player capable of reproducing a part of the one or the plurality of tracks.

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31. (previously presented) The recording medium as claimed in claim 30, wherein the simple audio player is capable of reproducing the part of the one or the plurality of tracks only in two or less channels.

32. (previously presented) The recording medium as claimed in claim 30, wherein the simple audio player is capable of reproducing the part of the one or the plurality of tracks only in Linear Pulse Code Modulation.

33. (previously presented): The recording medium as claimed in claim 27, wherein
the first control data being required when reproducing the substantive data in a plurality of available reproduce patterns; and
the second control data being required when reproducing the substantive data in one of the plurality of available reproduce patterns.

34. (previously presented): The recording medium as claimed in claim 33, wherein the second control data being required when reproducing the substantive data in two or less channels.

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35. (previously presented): The recording medium as claimed in claim 33, wherein the second control data being required when reproducing the substantive data in Linear Pulse Code Modulation.

36. (previously presented): The recording medium as claimed in claim 28, wherein the second control data at least includes address information, attribute information and reproduce time each relating to the one or the plurality of tracks.

37. (currently amended) An information reproducing apparatus for reproducing information from an information recording medium, the information recording medium comprising:

an audio zone including a substantive data, a first control data and a second control data for reproducing the substantive data, an audio title set and an audio manager for managing the audio title set, wherein the audio title set includes the substantive data and the first control data, and wherein the second control data is recorded at a head of the audio zone;

the substantive data including a plurality of sets of information each to be reproduced independently; the substantive data including audio data and being logically divided into one or a plurality of tracks;

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the first control data being required when reproducing the substantive data; the second control data being required when reproducing the substantive data by a simple audio player; the information reproducing apparatus comprising:

a reading section which reads data from the information recording medium;

a reproducing section which reproduces the substantive data;

a controlling section which controls the reading section and the reproducing section; and

wherein

the control section acquires the second control data; ~~and~~

the control section reproduces the substantive data on the basis of the second control data,

and

wherein the audio title set is not provided at the head of the audio zone.

38. (previously presented): The information reproducing apparatus as claimed in claim 37, further comprising:

a storing section;

wherein the control section acquires the second control data after the information recording medium being installed into the information reproducing apparatus and stores the second control data in the storing section.

39. (previously presented): The information reproducing apparatus as claimed in claim 37 further comprising:

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an indicating section which indicates a track to be reproduced;

wherein the controlling section acquires information relating to a track from the second control data stored in the storing section; and

the track is indicated by the indicating section.

40. (currently amended) An information reproducing apparatus for reproducing information from an information recording medium, the information recording medium comprising:

an audio zone including a substantive data, a first control data and a second control data for reproducing the substantive data, an audio title set and an audio manager for managing the audio title set, wherein the audio title set includes the substantive data and the first control data, and wherein the second control data is recorded at a head of the audio zone;

the substantive data including a plurality of sets of information each to be reproduced independently; the substantive data including audio data and being logically divided into one or a plurality of tracks;

wherein the first control data being required when reproducing the substantive data; the second control data being required when reproducing the substantive data by a simple audio player; the information reproducing apparatus comprising:

a reading section which reads data from the information recording medium;

a reproducing section which reproduces the substantive data; and

a controlling section which controls the reading section and the reproducing section;

wherein

the control section reproduces the substantive data on the basis of the first control data,

and

wherein the audio title set is not provided at the head of the audio zone.

41. (currently amended) An information reproducing method for reproducing information from an information recording medium, the information recording medium comprising:

an audio zone including a substantive data, a first control data and a second control data for reproducing the substantive data, an audio title set and an audio manager for managing the audio title set, wherein the audio title set includes audio data and the first control data, and wherein the second control data is recorded at a head of the audio zone;

the substantive data including a plurality of sets of information each to be reproduced independently; the substantive data including audio data and being logically divided into one or a plurality of tracks;

the first control data being required when reproducing the substantive data; the second control data being required when reproducing the substantive data by a simple audio player; the information reproducing method comprising:

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a reading operation which reads data from the information recording medium;
a reproducing operation which reproduces the substantive data;
a controlling operation which controls the reading section and the reproducing section;
wherein

the controlling operation comprising:

an acquiring operation which acquires the second control data; ~~and~~

a reproducing operation which reproduces the substantive data on the basis of the second
control data, and

wherein the audio title set is not provided at the head of the audio zone.

42. (previously presented): The information reproducing apparatus as claimed in claim
41, further comprising:

a storing operation which stores the second control data after the information recording
medium being installed into the information reproducing apparatus.

43. (previously presented): The information reproducing apparatus as claimed in claim 40
further comprising:

an indicating operation which indicates a track to be reproduced.

44. (currently amended) An information reproducing method for reproducing information from an information recording medium, the information recording medium comprising:

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an audio zone including a substantive data, a first control data and a second control data for reproducing the substantive data, an audio title set and an audio manager for managing the audio title set, wherein the audio title set includes the substantive data and the first control data, and wherein the second control data is recorded at a head of the audio zone;

the substantive data including a plurality of sets of information each to be reproduced independently; the substantive data including audio data and being logically divided into or a plurality of tracks;

the first control data being required when reproducing the substantive data; the second control data being required when reproducing the substantive data by a simple reproducing apparatus; the information reproducing method comprising:

a reading operation which reads data from the information recording medium;

a reproducing operation which reproduces the substantive data; and

a controlling operation which controls the reading section and the reproducing section;

wherein

the control operation reproduces the substantive data on the basis of the first control data,
wherein the audio title set is not provided at the head of the audio zone.

45. (previously presented) The information reproducing method as claimed in claim 41, further comprising:

Amendment under 37 C.F.R. § 1.114(c)
U.S. Application No. 09/285,772

an indicating operation which indicates a track to be reproduced;

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cond wherein the controlling operation acquires information relating to a track from the second
control data; and

the track is indicated by the indicating operation.

46. (previously presented) The information reproducing method of claim 44, further
comprising:

an indication operation which indicates a track to be reproduced.
